

calibration function

Also contains definition of: calibration curve

in analysis

The functional (not statistical) relationship for the chemical measurement process, relating the expected value of the observed (gross) signal or response variable $E(y)$ to the analyte amount x . The corresponding graphical display for a single analyte is referred to as the calibration curve. When extended to additional variables or analytes which occur in multicomponent analysis, the 'curve' becomes a calibration surface or hypersurface.

Source:

PAC, 1995, 67, 1699 (*Nomenclature in evaluation of analytical methods including detection and quantification capabilities (IUPAC Recommendations 1995)*) on page 1703

See also:

PAC, 1990, 62, 2167 (*Glossary of atmospheric chemistry terms (Recommendations 1990)*) on page 2177